

JAN 22 1982

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U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

| | | |
|--|---|--|
| MANUFACTURER'S NAME Cadillac Plastic and Chemical Co. | | EMERGENCY TELEPHONE NO. 616/343-1341 |
| ADDRESS (Number, Street, City, State, and ZIP Code) 148 Parkway, Kalamazoo, Michigan 49006 | | |
| CHEMICAL NAME AND SYNONYMS | | TRADE NAME AND SYNONYMS PS-18 Comp B |
| CHEMICAL FAMILY Organic Peroxide Mixture | FORMULA (C₆H₅CO)₂O₂ | |

SECTION II - HAZARDOUS INGREDIENTS

| PAINTS, PRESERVATIVES, & SOLVENTS | % | TLV (Units) | ALLOYS AND METALLIC COATINGS | % | TLV (Units) |
|-----------------------------------|-----|-------------|---|-----|-------------|
| PIGMENTS | N/A | | BASE METAL | N/A | |
| CATALYST | | | ALLOYS | | |
| VEHICLE | | | METALLIC COATINGS | | |
| SOLVENTS | | | FILLER METAL PLUS COATING OR CORE FLUX | | |
| ADDITIVES | | | OTHERS | | |
| OTHERS | | | | | |

| HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES | % | TLV (Units) |
|---|----|---------------------|
| Benzoyl Peroxide | 50 | 5 mg/m ³ |
| Dicyclo Hexyl Phthalate | 50 | |
| | | |
| | | |

SECTION III - PHYSICAL DATA

| | | | |
|---|--------|---------------------------------------|--|
| BOILING POINT (°F.) | N/A | SPECIFIC GRAVITY (H ₂ O=1) | |
| VAPOR PRESSURE (mm Hg.) | N/A | PERCENT VOLATILE BY VOLUME (%) | |
| VAPOR DENSITY (AIR=1) | N/A | EVAPORATION RATE (_____ "1) | |
| SOLUBILITY IN WATER | Insol. | | |
| APPEARANCE AND ODOR White granules with slight odor. | | | |

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

| | | | | | |
|--|-----|------------------|-----|-----|-----|
| FLASH POINT (Method used) | N/A | FLAMMABLE LIMITS | N/A | Lel | Uel |
| EXTINGUISHING MEDIA | | | | | |
| SPECIAL FIRE FIGHTING PROCEDURES Small fires - water, foam, or CO ₂ . Large fires - evacuate area and keep peroxide wet and cool | | | | | |

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SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE 5 mg/m³ pure benzoyl peroxide

EFFECTS OF OVEREXPOSURE

EMERGENCY AND FIRST AID PROCEDURES

In case of contact with skin, wash with soap and water. In case of contact with eyes, wash with copious quantities of water and consult physician. If ingested, induce vomiting and consult a physician immediately.

SECTION VI - REACTIVITY DATA

| | | | |
|---|----------|---|--|
| STABILITY Store below 80 deg F | UNSTABLE | X | CONDITIONS TO AVOID Heat, sparks, open flame and direct |
| | STABLE | | sunlight. |

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS
Biphenyl - toxic and flammable (2 ppm, 1 mg/m³)

| | | | |
|---------------------------------|----------------|---|---------------------|
| HAZARDOUS POLYMERIZATION | MAY OCCUR | X | CONDITIONS TO AVOID |
| | WILL NOT OCCUR | | |

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Wash any skin areas contacted.

WASTE DISPOSAL METHOD

Using a non-sparking shovel, deposit peroxide in small shallow piles on several sheets of newspaper. Ignite with torch having six-foot handle and back away. Do not burn more than one pound at a time.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

| | | |
|--------------------|----------------------|---------|
| VENTILATION | LOCAL EXHAUST | SPECIAL |
| | MECHANICAL (General) | OTHER |

| | |
|---|-----------------------|
| PROTECTIVE GLOVES Recommended | EYE PROTECTION |
|---|-----------------------|

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Use only with inert, noncontaminating materials. Polyethylene, stainless steel, teflon, or nylon are generally suitable. Do not use with materials susceptible to

OTHER PRECAUTIONS

to oxidation. Do not have in work area, more material than may be used in one production shift.